

TECHNIQUES FOR CONFIGURING NETWORK DEVICES WITH CONSISTENT FORMS FOR  
GETTING AND SETTING DEVICE PROPERTIES

RELATED APPLICATIONS

This application is a Continuation of and domestic priority under 35 USC § 120 is hereby  
5 claimed from prior co-pending application Ser. No. 09/746,673, filed December 21, 2000, *now US Patent No. 6,804,816*  
naming as inventors Chunguang (Chris) Liu, Gurminder Singh; Yansheng Jiang, entitled  
"Method and template for developing device-centric network management applications," the  
entire disclosure of which is hereby incorporated by reference as if fully set forth herein.

FIELD OF INVENTION

10 The present invention generally relates to network management. The invention relates  
more specifically to a method and template for developing device-centric network  
management applications using server processes on the network.

BACKGROUND OF THE INVENTION

15 A network consists of several computing devices connected by certain types of cables  
in a certain architecture and communicating using a certain protocol. An internetwork, like  
the Internet or a telecommunications private branch exchange (PBX), involves the  
connection of various networks to each other using one or more networking devices, such as  
repeaters, switches, bridges, routers and gateways, to make optimum use of available  
bandwidth and to convert as necessary from one protocol to another. Bandwidth is a measure  
20 of potential throughput on a cable, measured, for example, in megabits per second.

Some of these network devices involve programmable processors with corresponding  
software instruction sets to control operations of the processors. Many of these devices